

U.S. Application No.: 09/915,716
AMENDMENT C AND REQUEST FOR A TELEPHONE INTERVIEW

Attorney Docket No.: 3968.037

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10/29/05

IN THE CLAIMS

The claims in the listing will replace all prior claims in the application.

Claims 1-13 (Cancelled)

14. (Currently amended) The cleaning system according to Claim ~~22~~ ~~13~~, wherein $a_0=0.2771$, $a_1=-0.0042$, $a_2=-0.0094$, $a_3=0.0061$, $a_4=-0.2738$ and $a_5=-0.0377$; and $x_1=\sigma$ -moment M_2 , $x_2=\sigma$ -moment M_3 , $x_3=\sigma$ -moment M_4 , $x_4=f_{don}$, and $x_5=\Delta G_{Cosmo}$; and $n=5$.

15. (Cancelled)

16. (Currently amended) The cleaning system according to Claim ~~22~~ ~~13~~, wherein at least 75% of said fragrance ingredients have a relative fabric affinity value (y) of at least 4.

17. (Previously presented) The cleaning system according to Claim 16, wherein at least 85% of said fragrance ingredients have a relative fabric affinity value (y) of at least 4.

18. (Currently amended) The cleaning system according to Claim ~~22~~ ~~13~~, wherein at least 50% of said fragrance ingredients have a relative fabric affinity value (y) of at least 6.

19. (Previously presented) The cleaning system according to Claim 18, wherein at least 60% of said fragrance ingredients have a relative fabric affinity value (y) of at least 6.

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20. (Previously presented) The cleaning system according to Claim 19, wherein at least 70% of said fragrance ingredients have a relative fabric affinity value (y) of at least 6.

21. (Currently amended) The cleaning system according to Claim 22 ~~13~~, wherein said fragrance system comprises additional additives selected from the group consisting of anti-microbial ingredients, UV filters, anti-static ingredients, optical brighteners, cooling agents, and warming agents.

22. (New) A cleaning system comprising:

a) liquid CO₂, and

b) a fragrance system, wherein said fragrance system comprises fragrance ingredients that are determined to be substantive to garments according to the following mathematical equation:

$$y=a_0+\sum a_n x_n$$

wherein y is defined as the predicted relative substantivity of an aroma chemical having a range of from about 1-7 with 7 being the most substantive;

wherein x_{1-n} are defined as molecular descriptors derived out of COSMO RS calculations;

wherein n is defined as number of descriptors used in the said equation,

wherein a_{0-n} are defined as coefficients derived from linear regression analysis;

wherein at least 60% of said fragrance ingredients have a

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relative fabric affinity value (y) of at least 4.

23. (New) A cleaning system comprising:

- a) liquid CO₂, and
- b) a fragrance system, wherein said fragrance system comprises fragrance ingredients that are determined to be substantive to garments according to the following mathematical equation:

$$y=a_0+\sum a_n x_n$$

wherein y is defined as the predicted relative substantivity of an aroma chemical having a range of from about 1-7 with 7 being the most substantive;

wherein x_{1-n} are defined as molecular descriptors derived out of COSMO RS calculations;

wherein n is defined as number of descriptors used in the said equation,

wherein a_{0-n} are defined as coefficients derived from linear regression analysis;

wherein at least 60% of said fragrance ingredients have a relative fabric affinity value (y) of at least 4

wherein the fragrances ingredients are selected from the group consisting of:

benzaldehyde, methylbenzoate, herbaflorat, phenylacetaldehyd 100%, terpinolene, eucalyptol, benzylacetate, CITRAL PURE, myrcene supra, cyclabute, floralozone, isobornylacetate, MUSK C14, CPD-ketone cyclopentadecanolidone, menthylacetate RF, AGRUMET HC, aldehyde C10, HEDION, NEROLIONE, DATILAT, decenal

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trans-2, cyclamenaldehyde, ethylenbrassylate, isoraldein 70, ambrettolide, citronitril, lilial, adehyde C14, Maltol, coumarone H&R, vanillin, adehyde C12 MNA, linalool FF, Ethylvanilin, Eugenol, ambrox D1. Globalide 100%, Cedramber, Terpeneol Alpha, Lyrar, Geraniol 60, Freesiol/Corps 199, Menthol L. dist, Neonnitril H&R, Citronellol 950, Sandolene H&R, Mandaril, Sandel E/Corps 760, profarnesol, methylanthrenilate, hexahydroiraldein, benzylcinnamate, benzylsalicylate, Jasmol, hydroxycitronellol, and PHYTOL.